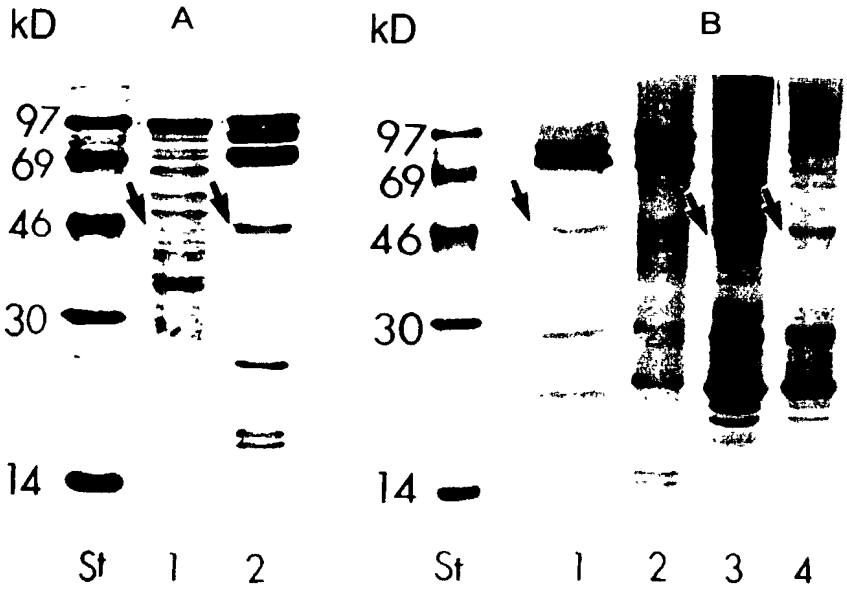

Fig. 1

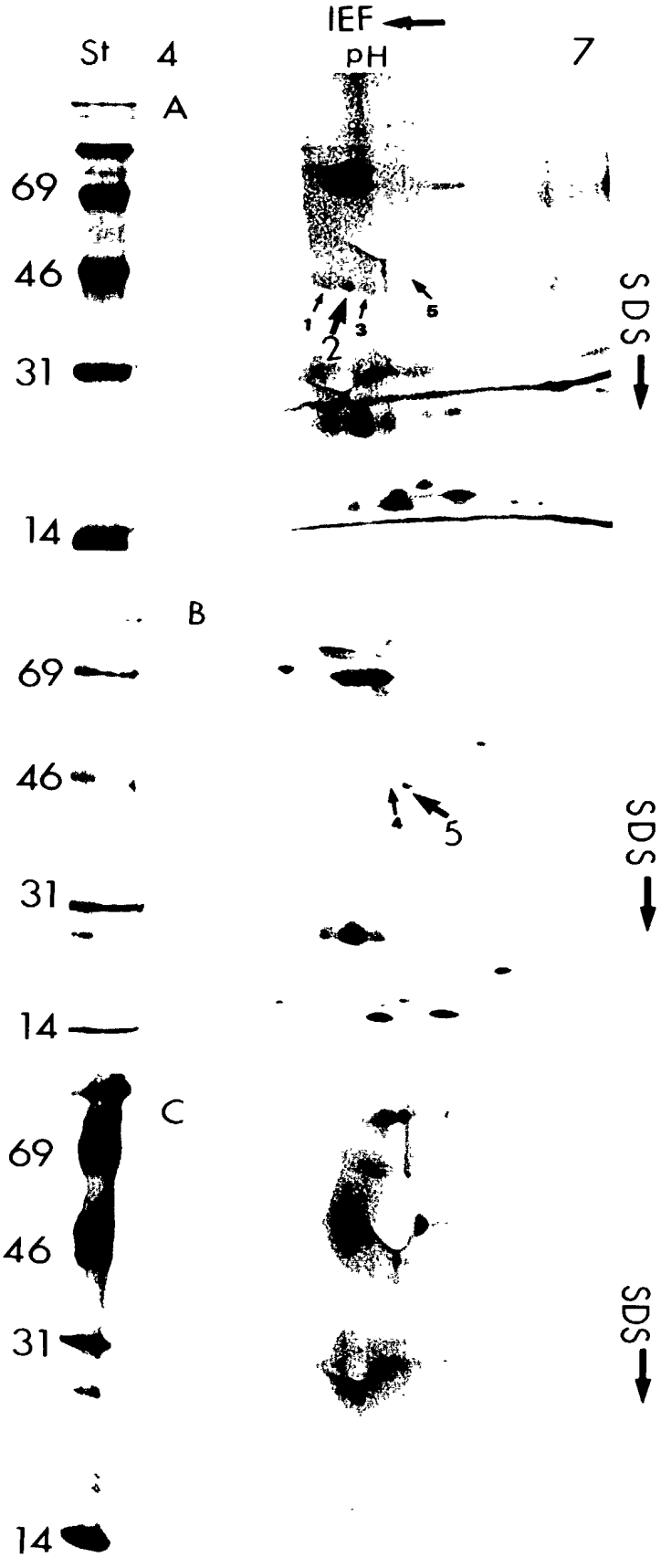

Fig.2

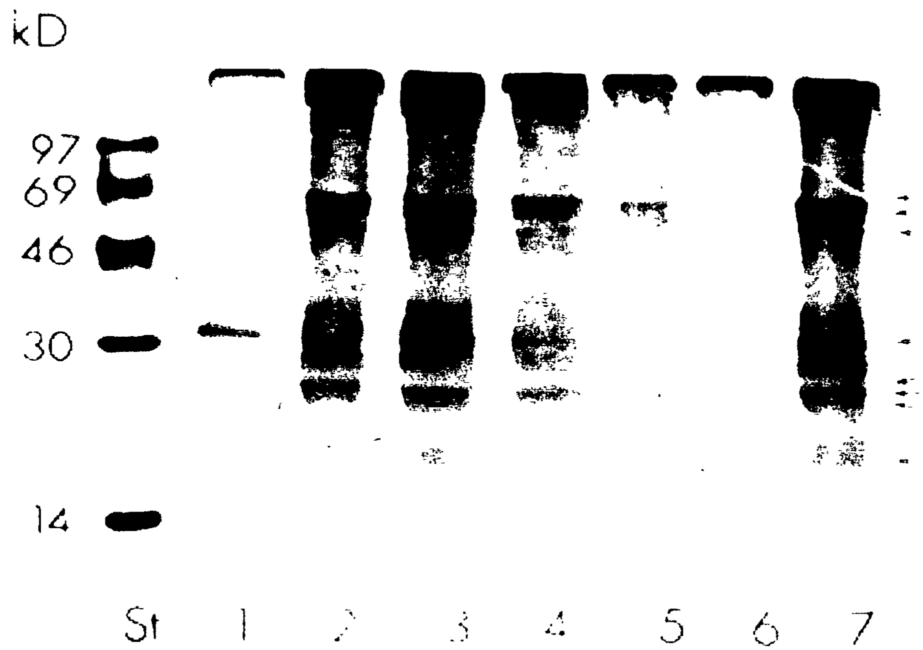

Fig. 3

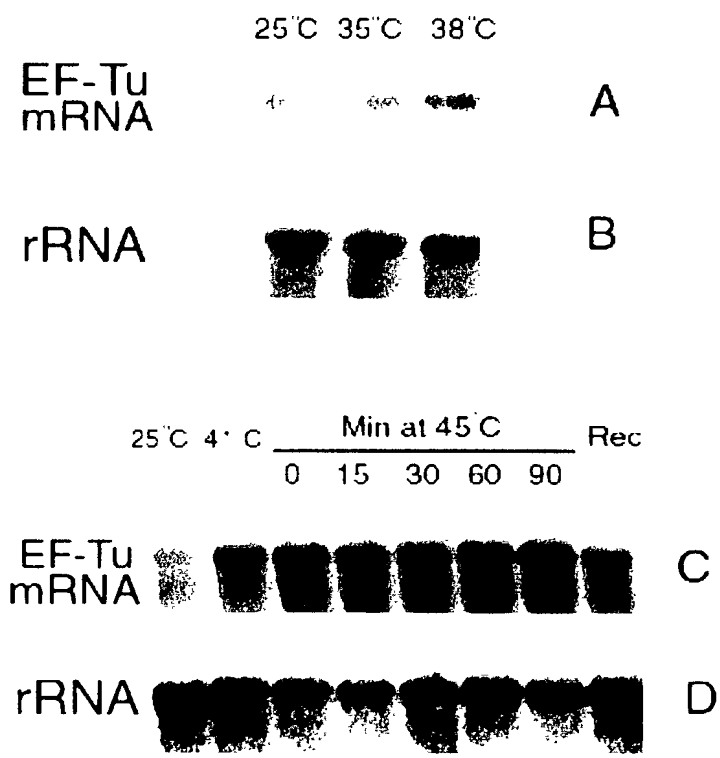
25°C 35°C 38°C
EF-Tu mRNA
A
rRNA
B
25°C 4°C Min at 45°C Rec
0 15 30 60 90
EF-Tu mRNA
C
rRNA
D

Fig. 4

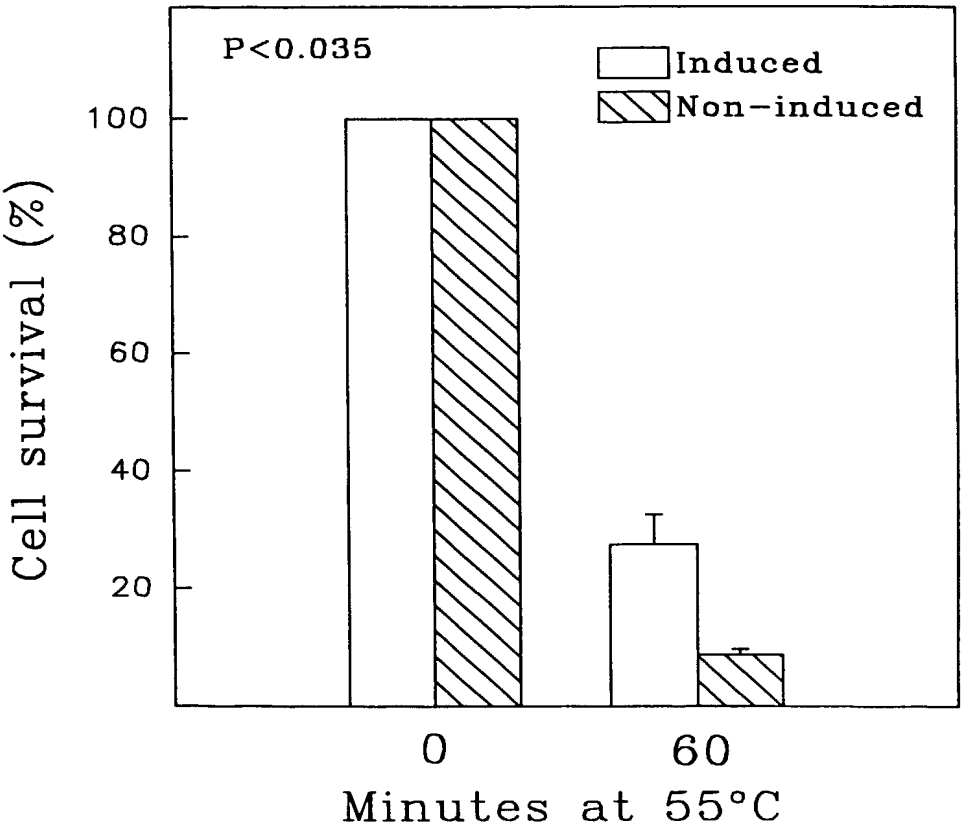
P<0.035
Induced
Non-induced
Cell survival (%)
100
80
60
40
20
0
60
Minutes at 55°C

Fig.5

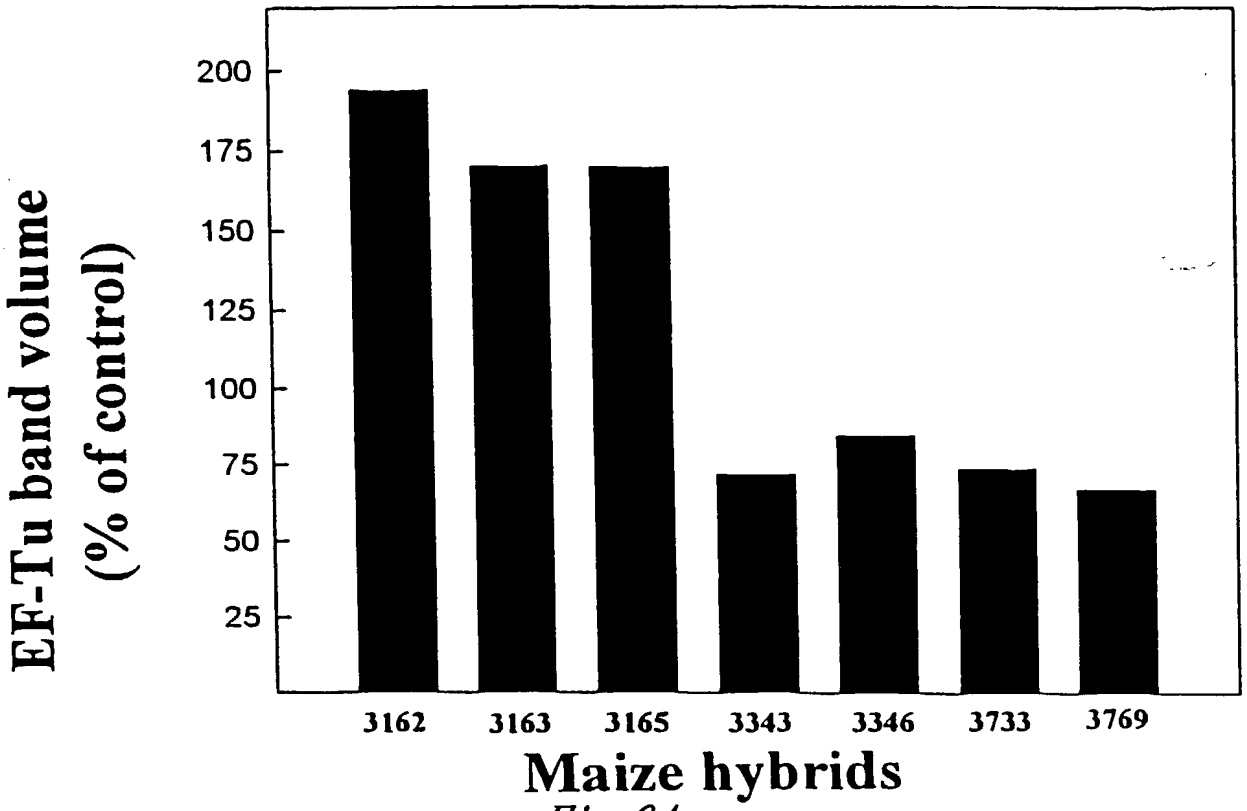
EF-Tu band volume
(% of control)
200
175
150
125
100
75
50
25
3162
3163
3165
3343
3346
3733
3769
Maize hybrids

Fig. 6A

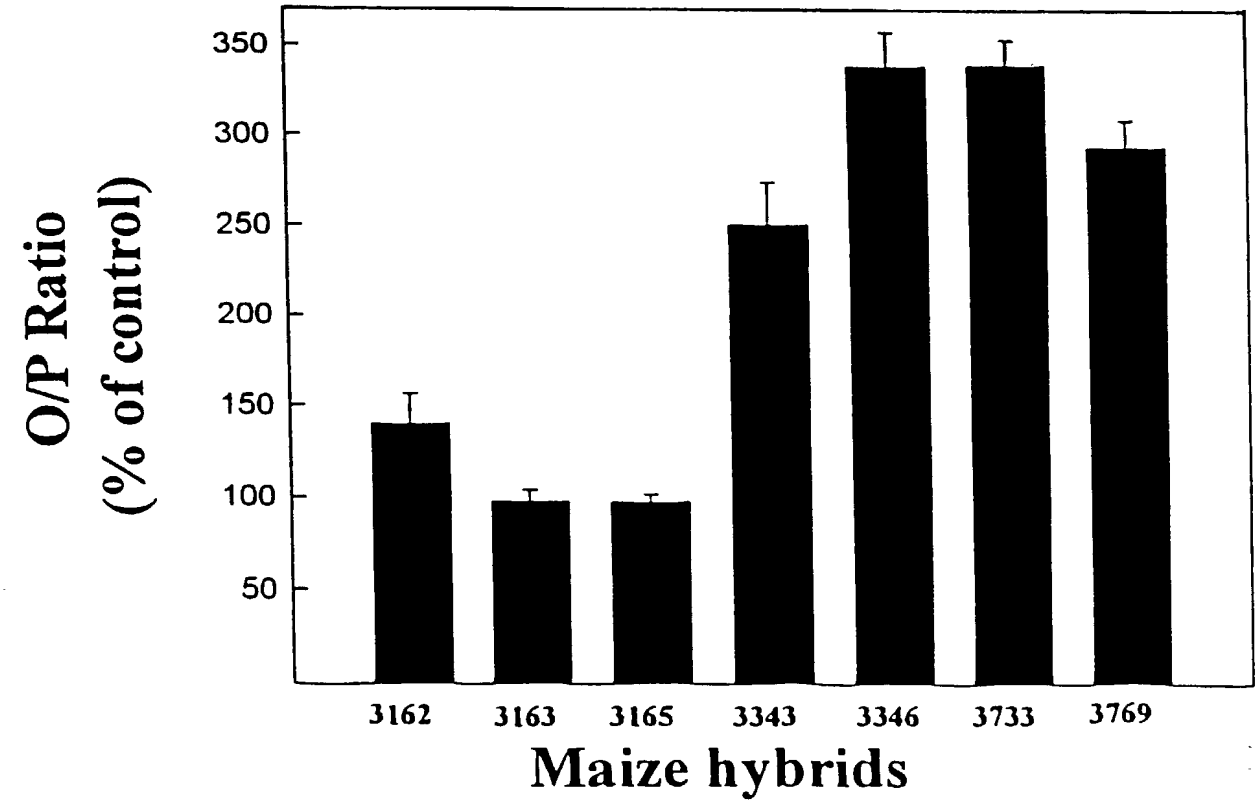
O/P Ratio
(% of control)
350
300
250
200
150
100
50
3162
3163
3165
3343
3346
3733
3769
Maize hybrids

Fig. 6B

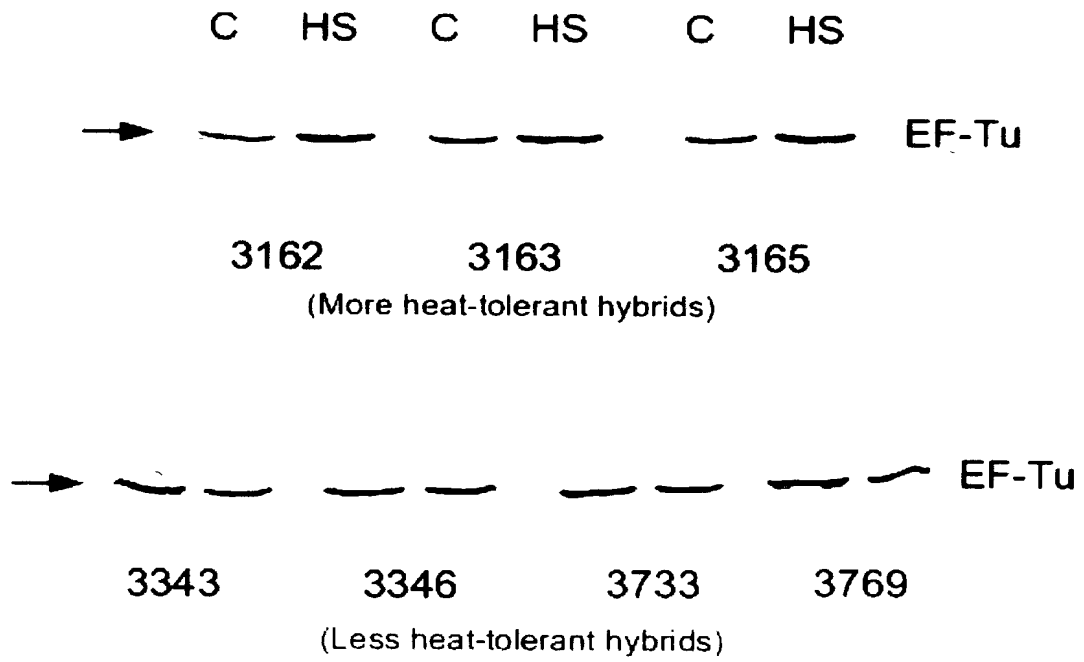
C HS C HS C HS
EF-Tu
3162 3163 3165
(More heat-tolerant hybrids)
EF-Tu
3343 3346 3733 3769
(Less heat-tolerant hybrids)

Fig. 6C

AT TCCCAAATAA TCCCCACCTC CCGCTGCTGC
TCCGCCGCCC GCCATGGCCT CCCTCACCTC GGCGTCCACT TCACTCCTCT
TCCCGCAGGC CTCCTCATCC AGGAGCCGCA TCCGTCTCTC CACCCCCCTG
GGCTTCTCCG CGCAGCCTGC GCGGCTGCGG AGCCAGGGG GCGGCAGTGG
GCGCGCGGCG GCGCGGGCGC CTGCTGGTGG TGCGCGCGGC GAGGGGCAAG
TTCGAGCGCA CCAAACCACA CGTCAACATA GGCACCATCG GCCATGTCGA
CCACGGAAAG ACCACTCTCA CCGCCGCGCT CACCATGGTG CTCGCCTCCG
TCGGTGGCAG CGCGCCTAAG AAGTACGACG AGATCGACGC CGCCCCCGAG
GAGCGCGCCC GCGGTATCAC CATCAACACC GCCACCGTCG AGTACGAGAC
CGAGACCCGC CACTACGCAC ACGTCGACTG CCCCGGCCAC GCCGACTATG
TCAAGAATAT GATCACCGGC GCTGCGCAGA TGGACGGTGC CATCCTCGTC
GTATCCGGTG CCGACGGGCC CATGCCGCAG ACCAAAGAGC ACATCCTCCT
CGCCAAGCAA GTCGGTGTTC CCAAGATCGT TGTCTTCCTC AACAAGAAGG
ACATGGTCGA CGACGAGGAG CTGCTCGAGC TCGTCGAGCT CGAGGTCCGC
GAGCTGCTCA GCAACTACGA GTACGACGGC GACGACGTAC CAATCGTCGC
TGGCTCCGCC CTCAAGGCGC TCGAGGCTCT CATGGTCAAC CCTGCCTTGA
AGCGCGGCGA CGATGAGTGG GTCGACTACA TCTTCTCGTT GGTTGATAAA
GTGGATTCCT ATATTCCAGT CCCGCAGAGG CAGACTGACC TCCCGTTCTT
GCTCGCTGTT GAAGATGTCT TCTCCATCAC CGGTCGTGGT ACAGTTGCCA
CTGGCCGTAT AGAGCGTGGC ACCGTCAAGA TTGGTGACAC AGTCGATATC
GTCGGAATCC GGGACACCCG GAACTGCACG GTCACTGGTG TTGAGATGTT
CCAGAAGACC ATGGATGATG CCATGGCCGG AGACAATGTT GGGCTGCTGC
TCCGTGGTAT GCAGAAGGAT GACATTGAAA GAGGCATGGT GCTGGCAAAG
CCTGGCTCTA TCACACCGCA CACCAAGTTT GAGGCTGTTG TGTATGTGCT
TAAGAAGGAA GAGGGTGGCC GACACTCACC TTTCTTCCCT GGTTACCGCC
CACAGTTCTA CATGCGGACA ACTGATGTG ACAGGGAGTG TGACTACGAT
TATGAATGAC AAGGATGAGG AGGCGAAGAT GTGCATGCCT GGTGACCGTA
TCAAAATGAT TGTTCAGCTC ATCCAGCCTG TTGCTTGTGA GCAGGGTATG
AGGTTTGCTA TCCGTGAGGG TGGTAAGACC GTTGGTGCCG GTGTCATCAA
CAAAATCATT GAGTAAACTG GATATAACAT ATCCACCATG AGAATTTTCC
TTGTTTACTC AAAGCGACAT GCTCCGTAGT TGTTATTATG TGGTGAGTTT
TAGGGGTTGC TCATGTGCAA TTGTAGTATG ACACTTTTTT TTTGTCAAGT
GAATTTGCAT AATTTATGAC ATTCACGACA AAGATTCACA TATCTGGTTG
CAACTCATTT GGCTAAGAGG TGCCATCTAC TGTTAAAAAA AAAAAAAAAA A

Fig. 7